FIBARO

HOME INTELLIGENCE

Fibaro - Intelligence for your home

The Web Interface

The Mobile App

The Tablet App

Welcome to the World of Fibaro

Fibaro is probably the best building automation system in the world today. Fibaro is fundamentally different. Where other home automation systems focus primarily on the control of AV equipment, Fibaro is a complete solution for the monitoring, management and intelligent automation of living and working environments.

Fibaro's system of modules and sensors allows your home or office to intelligently respond to the changing environment, effortlessly maximising your comfort, safety and energy efficiency. Fibaro is more than just an intelligent electrical system. It is a trusted host, a personal manager who will take care of you, your family and your home. Fibaro is powerful, affordable, flexible and efficient.

The Fibaro system won't just ensure your comfort and safety. It will also change your life. Fibaro is the future of building automation. Try it and things will never be the same again.

The Basics

Fibaro is designed to be easy to use, maintain and install. No additional cables to run, no expensive networking equipment, no complicated training or specialist knowledge. Just a quick and simple installation process that can be completed by any electrician - or in the case of many components, by someone with no electrical experience at all.

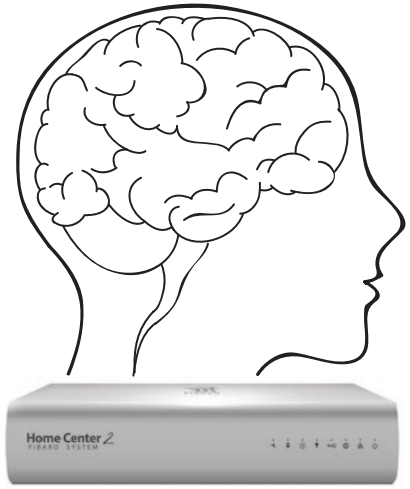
The highly compact modules and sensors can be installed behind light switches, above doors, on ceilings or walls and are compatible with every common electrical system. Z-Wave technology allows Fibaro modules to automatically establish and manage their own wireless network, and enables you to accommodate products from nearly 300 other manufacturers into one seamless home network, unifying the devices you use every day.

The Fibaro system works by absorbing information, processing it and making intelligent decisions. If you go away on holiday and leave the heating on, Fibaro can message you and ask if you'd like to turn it off. Fibaro will alert you when battery-powered devices are running low or if it starts to rain and your windows are open. Fibaro updates itself, monitors itself and can even alert you if other manufacturers' devices in your home break down.

Example System

See the Fibaro product catalogue for the complete range of sensors and modules

1 The System Processor



Home Centre 2

The processor is the brain of the system. It handles all of the user interaction, logic processing and decision making required to manage and automate your home

2 Sensors

Sensors monitor temperature, humidity, light, motion and a host of other parameters and report them all back to the system processor in real time

3 Modules

Modules perform actions such as turning devices on and off, as requested by the system processor

Wall Plug

Monitors the power draw of electrical appliances in real time, allowing you to identify inefficient devices in your home or be alerted when an appliance breaks down

Dimmer

Vary the brightness of the lights in your home, saving power and creating beautiful lighting scenes

Roller Shutter

Control motorised blinds, curtains, shutters and awnings to make the most of natural light

Relay Switch

Switch any electrical device on and off, either at will or in response to information from sensors

RGBW Controller

Control LED strip lighting, fine-tune colour and brightness to your taste or create scenes that can be recalled at the touch of a button

Retrofittable in any Building

Fibaro's revolutionary, non-invasive installation process allows modules to be connected to existing electrical systems without the need to make any changes to the infrastructure. Consequently, Fibaro can be installed into almost any building with an absolute minimum of disruption - making it perfect for retrofits as well as new builds. Every effort has been made to ensure interoperability. For example, the Fibaro Dimmer Module is the only device of its kind which is compatible with systems where no neutral wire is present at the switch socket.

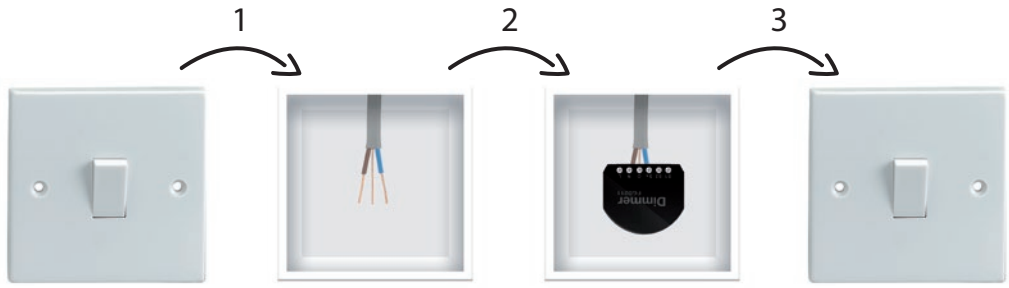
Fibaro sensors require no wires at all, and can be attached with a single screw or self-adhesive strip - or even just placed on a flat surface. This makes installation a breeze, and means that modules can easily be moved around if necessary. Thanks to the mesh network structure used by Fibaro the modules will automatically update their location and seamlessly re-integrate with the system. With a battery life of up to five years, sensors can be placed in remote locations without mains power to monitor for leaks, check the temperature in a loft or warn of ice formation in a driveway.

The Z-Wave technology that underpins Fibaro is used by more than 300 manufacturers worldwide. The Z-Wave certification process aims to ensure that all products produced under the standard have the greatest possible cross-compatibility. This unparalleled simplicity and flexibility makes home automation accessible to everyone for the first time.

3 Minute Installation

The installation of our wired modules takes less than 3 minutes.

- Remove the light switch
- Disconnect the cables
- Connect the Fibaro module
- Reconnect the switch to the Fibaro module
- Screw the switch back onto the wall



Once the physical connections are made, clicking “add” on the system interface will activate the device’s auto-include feature and effortlessly incorporate it into your home network.

The system will prompt you to give it a name (e.g. ceiling lights), and assign it to a room (e.g. living room) - and that’s it! The installation and configuration process is complete.

If you decide to move house, you can take your entire automation system along with you without leaving a trace of it ever having been there.

The Interface

The Fibaro system has two user interfaces:

The Control App

The Fibaro App runs on nearly any mobile device including iPhone, iPad and popular Android phones. Control and monitor any device in your network from whichever phone or tablet makes you feel at home.

The Web Interface

Accessed from any web browser on a PC or Mac, this interface is used to configure the system by defining locations and device names and setting up automatic actions. Advanced users can explore writing their own scripts in Lua for almost limitless functionality.

Fibaro System

Unlike competing systems, there's no need to program and deploy your own interface. Everything is generated for you automatically within the App. Devices, rooms and scenes are pulled automatically from the system and organised on the screen with no further effort required. The interface is fluid and elegant right out of the box, and you can customise it further with a range of different in-built icons and support for importing your own.

With no specialist software to install, the web-based configuration interface can be accessed from any computer or mobile device with an internet connection, anywhere in the world. Gone away on holiday and forgot to set the alarm? No problem. Log in from the beach and activate it remotely.

Comfort and Convenience

The Perfect Awakening

Use the infinite possibilities of Fibaro to start your day with a smile.

Just imagine...

6:30 am

Fibaro collects meteorological data and uses it to customise a number of scheduled activities, such as raising the temperature in the rooms you normally use to a pleasant level.

7:15 am

The temperature in each room is now perfect. The house gently wakes you up by playing music from your favourite radio station, gradually increasing the volume to a preprogrammed level.

7:20 am

The system takes a reading of the natural light and raises the blinds to 20% to gently illuminate your room, allowing time for your eyesight to adjust.

7:25 am

You get up. The house senses motion in the bedroom and illuminates your way to the bathroom and the kitchen.

7:28 am

The system switches on your boiler in readiness for your shower, and communicates with Z-wave appliances from other manufacturers to boil water for your morning coffee and turn on the news channel.

7:30 am

The ventilation and heater mirror in the bathroom are automatically activated as your shower raises the humidity in the room.

Safety

In the Event of Fire

In emergency situations, every second counts. Fibaro can safeguard you and your family by identifying and responding to threats within moments.

1:03:12 am

The Smoke Sensor detects a whisp of smoke and reports the information to the processor. The processor checks it against a pre-determined threshold and determines that there might be a threat. The Smoke Sensor immediately emits a loud alarm and the processor begins to initiate an emergency procedure.

1:03:13 am

A second later the house alarm system is activated and all of the lights are switched on, making threat clearly visible to your family and neighbours.

1:03:14 am

The Fibaro system closes the windows in the room where the fire was detected to starve it of oxygen. It pulls up the roller blinds to try and prevent them from catching fire and unlocks the doors to ensure you and your family can escape.

1:03:15 am

The system cuts off the gas supply. At the same time, the extractor fan is activated at 100% power to remove as much smoke as possible.

1:03:16 am

The thermostats and the air conditioning control devices are disabled, preventing smoke from spreading around the house through the air conditioning ducts.

1:03:17 am

All of the audio and video devices play pre-recorded evacuation instructions.

1:03:18 am

Specially pre-configured lighting guides the members of the household to the exit via the shortest escape route.

Rest and Relaxation

Welcome Home

After a hard day's work you deserve a rest.

6:00 pm

Fibaro senses evening approaching thanks to the falling light intensity. The system turns on the garden lighting and the fountain ready for your arrival.

6:10 pm

The system detects your car approaching the property via GPS. It increases the brightness of lighting in the garden and in the driveway to 100%, and activates a relay to open the garage door.

6:11 pm

Fibaro interfaces with a carbon monoxide detector to monitor the air quality in your garage as you arrive. If excess fumes accumulate it will turn on the extractor fan and hold the garage door open until the threat subsides.

6:12 pm

You enter the house. Fibaro monitors which rooms you walk into, meters the natural light and determines how much artificial light is needed to achieve a pleasant level. Audio zones power up and your favourite music fills the house.

6:15 pm

The system checks meteorological data and determines that it hasn't rained today. It references a Z-Wave compatible humidity sensor in the garden and decides that the garden needs to be watered. The system activates a relay that turns on your sprinklers.

6:20 pm

Your neighbour comes round to visit. When Fibaro detects him approaching it increases the brightness of the garden lighting and deactivates the sprinklers. He presses the doorbell and a picture is sent to your phone so that you can identify your visitor and remotely release the lock. Once he is inside, the sprinklers resume.

Saving with Fibaro

Saving energy is at the heart of the Fibaro system. All of our power supplies are tested to ensure the greatest possible efficiency and the system is streamlined to keep unnecessary radio transmissions to a minimum. Devices automatically enter an energy-saving mode whenever they're not in use to further conserve power.

Fibaro dimming modules are built to be compatible with the leading green lighting technologies, including compact fluorescent and LED lamps. Making the best use of natural light, dimming artificial sources to the level needed and using the system's presence detection features to extinguish lights in unoccupied areas can all result in considerable savings.

Fibaro System

Fibaro allows you to measure the power draw of any device in real time, view historical graphs and charts of the energy consumption of your home, identify inefficient and wasteful devices and regulate their activities. The system can automatically disable selected devices every time you leave the building to save power. With a correctly configured system you can reduce the electricity consumption of your home by up to 30%.

Fibaro's intelligent architecture lets you mitigate situations that result in unnecessary waste. By setting up logical relationships between sensor feedback and system actions, Fibaro can help appliances to work in harmony. If a window is left open on a cold day, Fibaro could exclude that room from your heating programme or activate a relay to close it. If it's sunny outside and the lights are turned on, Fibaro could suggest raising the blinds instead.

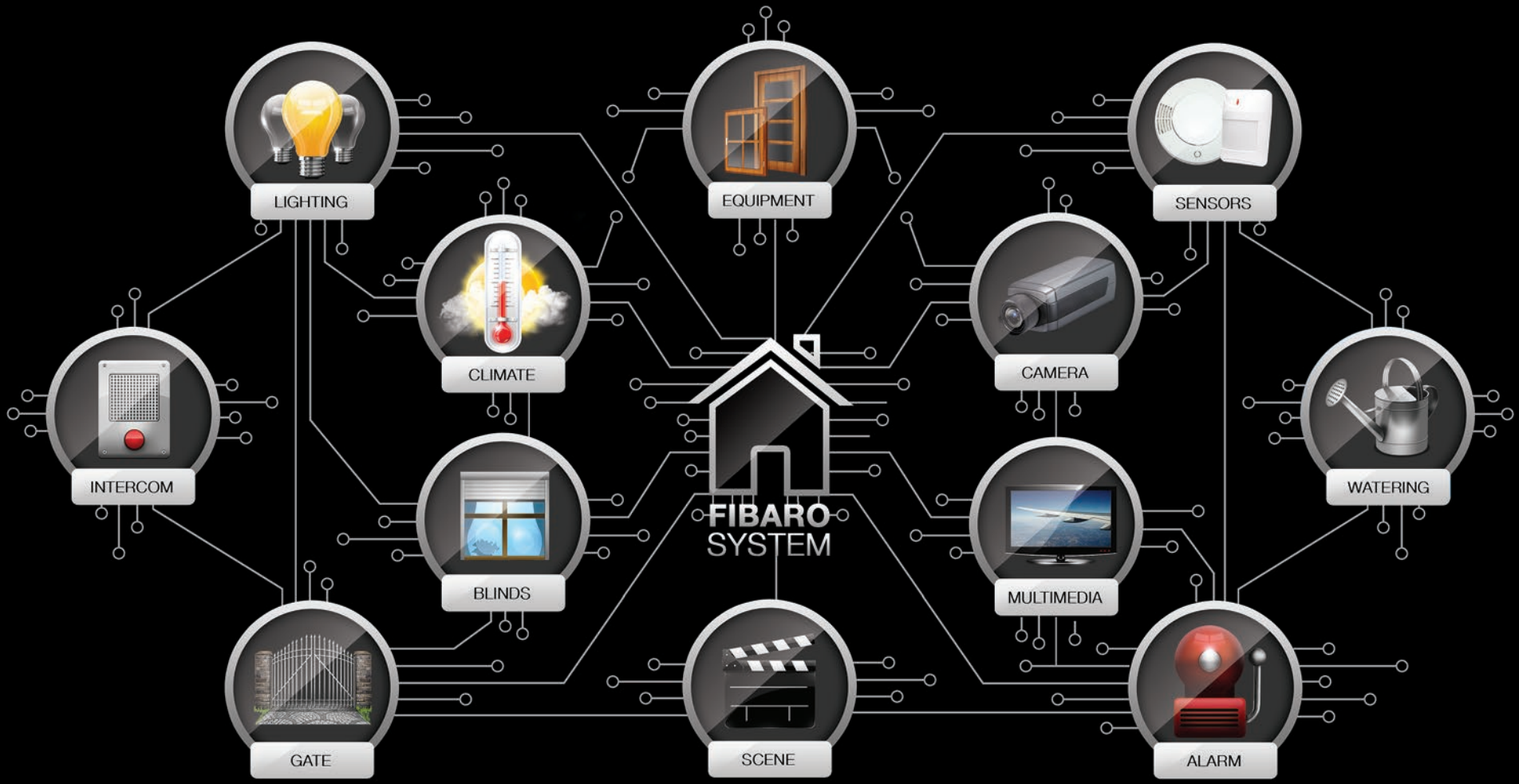
Fibaro can ensure that your heating and air conditioning don't compete with each other, or even allow parents to regulate the amount of time their children watch TV. The System's energy monitoring features allow it to warn you when a device breaks down or disable electronics in the case of a flood, preventing damage to your home and extending the life of your appliances.

Sustainability

Live Green with Fibaro

Thanks to our wireless architecture there's no need to run additional cables, cutting down the amount of copper and plastic sheathing used. All Fibaro devices are compliant with the EU RoHS (Restriction of Hazardous Substances) directive and can help developers to meet key environmental legislation such as EN 15232 and the Energy Performance of Buildings Directive.

Fibaro products are labelled with a dedicated WEEE symbol in accordance with the Waste of Electrical and Electronic Equipment Directive, prohibiting their disposal in landfill and allowing parts to be reclaimed and recycled into new products. Fibaro can help your home or business to be part of a greener future.



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